ABSTRACT OF THE DISCLOSURE

A servo control apparatus improved in trackability without being accompanied by overshoots or any continuous vibration and capable of tracking without any delay from an upper order command is provided. A command signal is directly transmitted to a controller as a target command increment value. A compensation signal arithmetic unit receives the target command increment value, subtracts the target command increment value from a signal having passed through an inverse transfer function unit having an inverse transfer function characteristic of any low-pass filter, and sends a compensation signal generated by multiplying a result of that subtraction by an adjustment gain to a controlled object . The controller receives the target command increment value and an output increment value of the controlled object, and sends a control input to the controlled object so that the output of the target command becomes coincident with the target command.